

**A SECURITY MECHANISM PROVIDING  
ACCESS CONTROL FOR LOCALLY-HELD DATA**

**Abstract of the Disclosure**

Methods and data processing apparatuses are provided  
5 which enable controlling, from one data processing  
apparatus, access to data held (for example on a queue) at  
another data processing apparatus. When a requestor wishes  
to access data held at a local data processing apparatus, a  
request must be sent to a remote data processing apparatus  
10 to determine the security attributes of the data (for  
example, retrieving queue attributes from a database). The  
requestor cannot access the data until the security  
attributes are fully determined at the local data processing  
apparatus, and since communication with a remote system is  
15 required to make this determination the remote apparatus is  
able to log the requests for data access. The security  
attributes are preferably an identifier of a cryptor used in  
compression, a compressor used in compression and an  
authenticator for authenticating the requestor. The  
20 determination of security attributes is preferably required  
to be repeated for each requestor session, with the  
attributes being deleted from the local data processing  
apparatus at the end of a session and the requestor being  
unable to view or save the attributes. This enables  
25 session-specific access control.